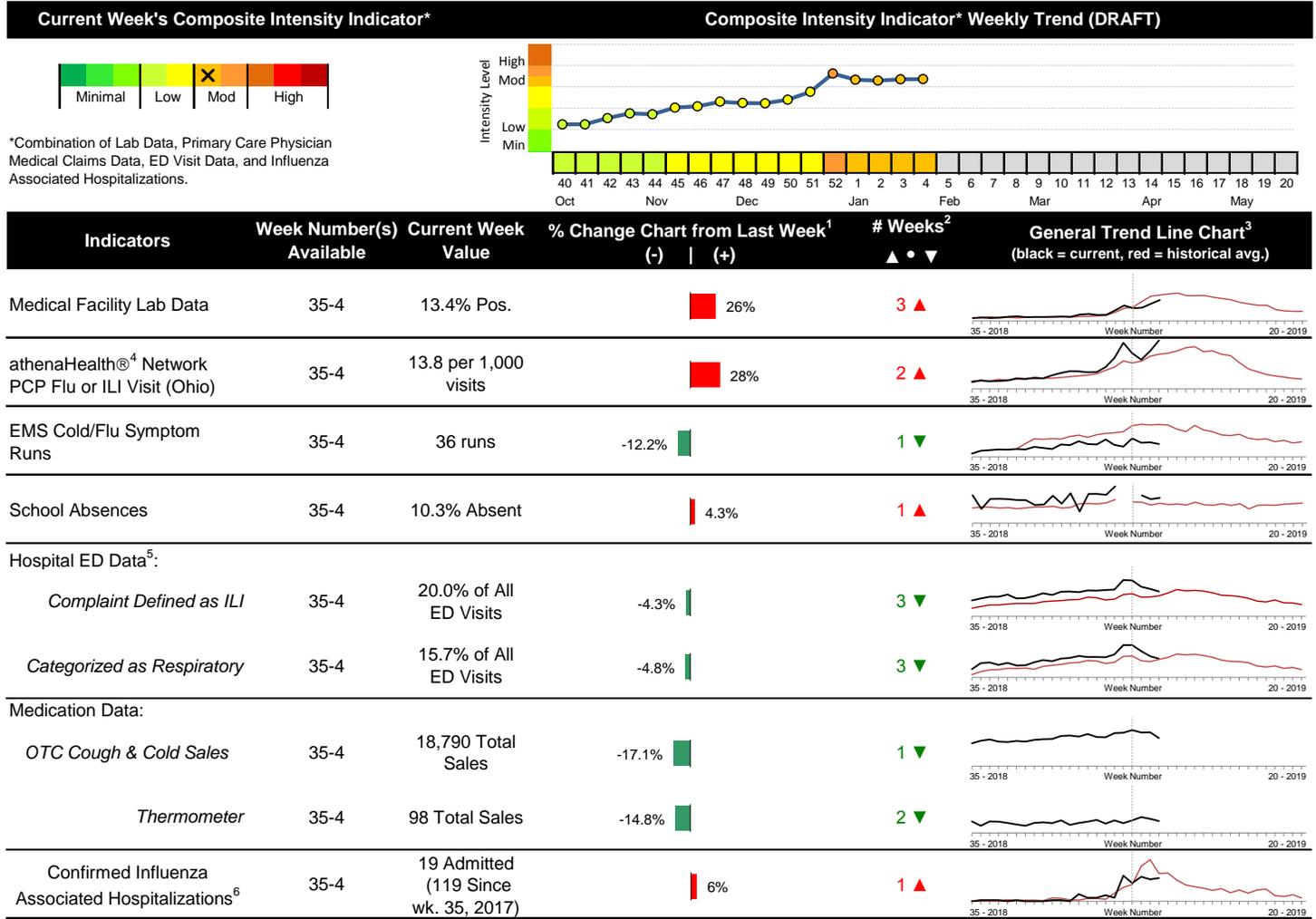


2018-2019 Columbus & Franklin County Seasonal Influenza Activity Weekly Summary (Week 4, Jan. 20th, 2018– Jan. 26th, 2019)

Highlights

- In week 4 of 2019, the trends for individual local flu activity indicators were mixed compared to the previous week. As a whole, flu intensity (composite indicator) was stable compared to the previous week and is moderate.
- Geographic spread and local intensity designation (Click [here](#) for definitions) = WIDESPREAD, MODERATE
- Local medical facility labs reported 1,766 tests run with 237 (13.4%) positive results for week 4 of 2019.
- The percentage of ED visits for both influenza-like-illness (ILI) and respiratory symptoms decreased compared to last week.
- In week 4 of 2019, the majority of trends for local over-the-counter medication category sales tracked decreased (decrease in cough and cold, electrolyte, thermometer, chest rub, adult anti-fever and throat lozenge sales; stable pediatric anti-fever sales) compared to last week.
- In the U.S., influenza activity increased. Please [visit the CDC website for specific information](#).

Local Flu Activity Dashboard (All data are preliminary and may change as updated reports are received.)



Reportable Conditions (Cumulative Numbers as of Jan. 30, 2019)	2014	2015	2016	2017	2018	2019 YTD
Pediatric Influenza Associated Death Reported by Year (based on date of death)	0	0	0	0	0	0
Influenza Associated Hospitalizations (IAH) Reported by Admission Year ⁶	875	447	293	846	1,040	73
<i>IAH comparison by Flu Season (October - May or Weeks 35 - 20)</i>	<u>2013-14</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19*</u>
<i>*Current season (2018-19) is from week 35 through week 4.</i>	486	871	265	619	1,235	119

¹Interpret with caution. Indicators with small numbers subject to large weekly percentage fluctuations.
²Number of weeks "▲" = Increase (>2%), "▼" = Decrease (>2%), "●" = Stable (-2% to +2%).
³Black line is current years data. Based on data availability, red line is historical average (excluding pandemic year).
⁴Data Source: Medical claims data from athenaHealth® (www.athenahealth.com). Rate of Flu or ILI visits to Ohio (statewide) athenaHealth® network primary care practices/physicians. Claims data are subject to filing and processing time lags. Historical data are updated when they are received.
⁵Franklin County, OH residents only (based on zipcode). NOTE: Excludes one hospital system included in the past due to technical changes affecting visit classification assignment and numbers.
⁶Confirmed cases only. Based on jurisdiction equal to Franklin County or City of Columbus and admission date available in ODRS.

Influenza Morbidity and Influenza-Like Illness (ILI) Reports

In week 4, the preliminary Ohio¹ (statewide) influenza and influenza-like-illness (ILI) visit rate to athenaHealth® providers (13.8 per 1,000 visits) increased compared to the previous week and is above its baseline average for the week (Figure 1). The week 4 percentage of all Emergency Department (ED) visits categorized as ILI decreased compared to the previous week (Figure 3) and is above its historic baseline for the week.

Nationally, during week 4 of 2019, 3.8% of patient visits reported through ILINet were due to influenza-like illness (ILI). The percentage is above the national baseline of 2.2% for week four.

Laboratory Surveillance

During week 4 of 2019, reporting Franklin County sentinel medical facility laboratories tested 1,766 specimens, with 237 (13.4%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2018 through week 4 of 2019 is 26,801 with 1,253 (4.7%) positives (1,137 type A, 114 type B, 0 type A and B, 2 type unknown).

Nationally in week 4 of 2019, clinical laboratories reported 31,460 specimens tested for influenza viruses, 6,042 (19.2%) of which were positive (5,922 type A, 120 type B). Public health laboratories reported testing 1,238 specimens, 774 of which were positive (764 type A – of which 543 were A(H1N1)pdm09, 179 were H3N2, and 42 were not subtyped; 10 type B – of which 3 were Yamagata lineage, 4 were Victoria lineage, and 3 where lineage was not performed). Please visit the CDC website for more information, including cumulative data.

In week 4 of 2019, Ohio clinical labs reported 35,870 specimens tested for influenza this season thus far. Positive results include: (111) A(H1N1)pdm09; (46) A/H3N2; (2,675) Flu A Not Subtyped, and (49) Flu B (through 1/26/2019). In week 4 of 2019, ODH Public Health Lab reported 293 positive influenza tests from specimens sent by various submitters this season so far. Positive results include: (160) A(H1N1)pdm09; (67) A/H3N2; (1) Influenza B (through 1/26/2019). Please visit the ODH website for more information.

ED Respiratory Visits

In the 4th week of 2019, the percentage of all ED visits categorized as respiratory decreased compared to the percentage seen the previous week and is similar to its baseline for the week (Figure 5).

Over-the-Counter (OTC) Medication Sales

In week 4 of 2019, the majority of trends for local over-the-counter medication category sales tracked decreased (decrease in cough and cold, electrolyte, thermometer, chest rub, adult anti-fever and throat lozenge sales; stable pediatric anti-fever sales) compared to last week.

Additional Influenza Activity Web Links:

Ohio Seasonal Flu Surveillance: <https://odh.ohio.gov>

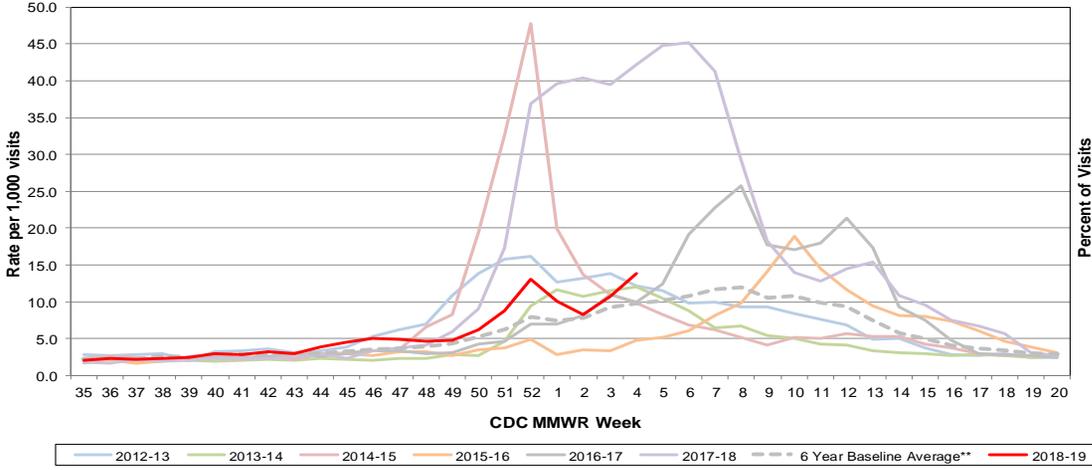
CDC National Seasonal Flu Surveillance Reports: <http://www.cdc.gov/flu/weekly/>

World Health Organization Situation Updates: http://www.who.int/influenza/surveillance_monitoring/en/

¹Note: County level athenaHealth® network primary care medical claims data is no longer available.

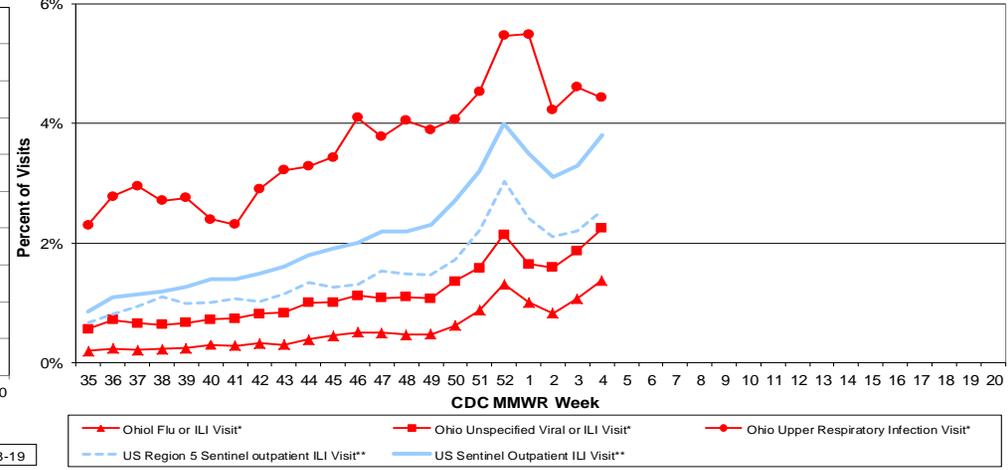
Columbus & Franklin County Influenza Monitoring Summary – Week 4, 2019 (1/20/2019-1/26/2019)

Figure 1: Ohio Outpatient Primary Care Provider Influenza or Influenza-Like-Illness Visit Rate*



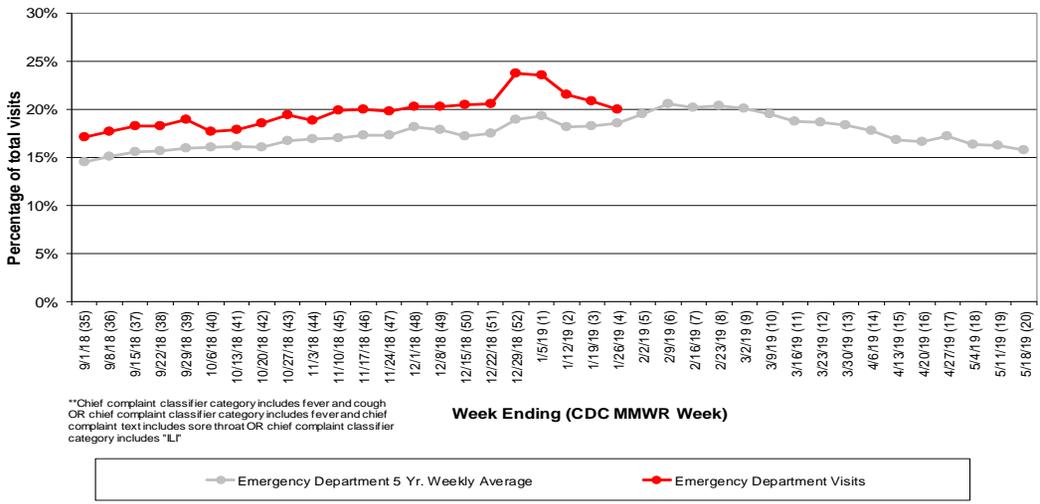
*Source: Ohio (Statewide) medical claims data from athenaHealth®
 **Seasons: 2010-11, 2011-12, 2012-13, 2013-14, 2015-16, 2016-17
 Note: athenaHealth® claims data are subject to filing and processing time lags. Historical data are updated when they are received.

Figure 2: Percentage of Ohio Outpatient Participating Provider* and CDC National Outpatient Sentinel Health Care Provider visits for ILI and Associated Illnesses, 2018-19**



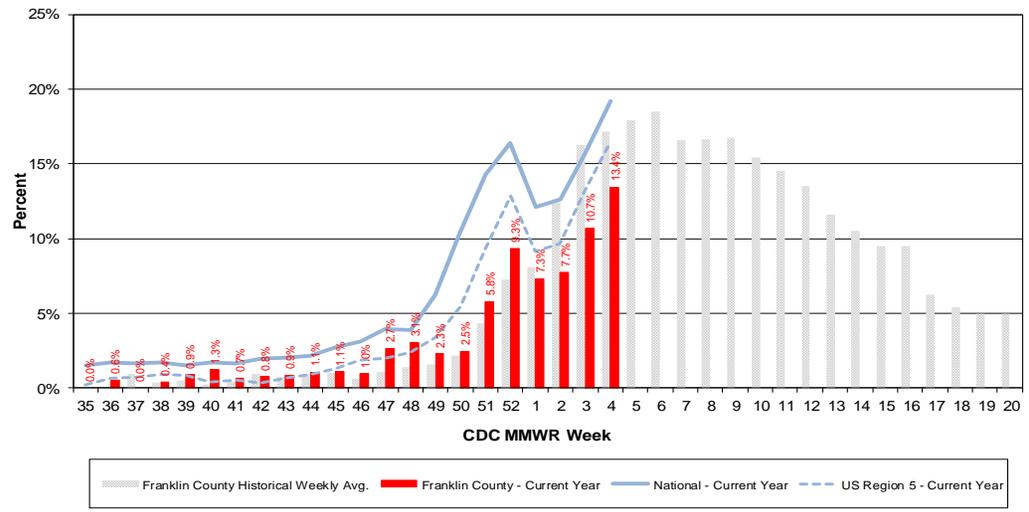
*Source: Ohio (statewide) medical claims data provided by athenaHealth®. Data are subject to filing and processing time lags. Historical data are updated when received.
 **Source: U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) sentinel provider visits.

Figure 3: Franklin County Resident ILI Defined ED Visits, 2018-19, Franklin County, OH**



**Chief complaint classifier category includes fever and cough OR chief complaint classifier category includes fever and chief complaint text includes sore throat OR chief complaint classifier category includes "IL"
 Legend: Emergency Department 5 Yr. Weekly Average (grey line), Emergency Department Visits (red line)

Figure 4: Percentage of Local Reporting and National Laboratory Positive Influenza Tests by Week, 2018-19



Legend: Franklin County Historical Weekly Avg. (grey bar), Franklin County - Current Year (red bar), National - Current Year (blue solid line), US Region 5 - Current Year (blue dashed line)

Columbus & Franklin County Influenza Monitoring Summary – Week 4, 2019 (1/20/2019-1/26/2019)

Figure 5: Franklin County Resident Respiratory ED Visits, 2018-19, Franklin County, OH

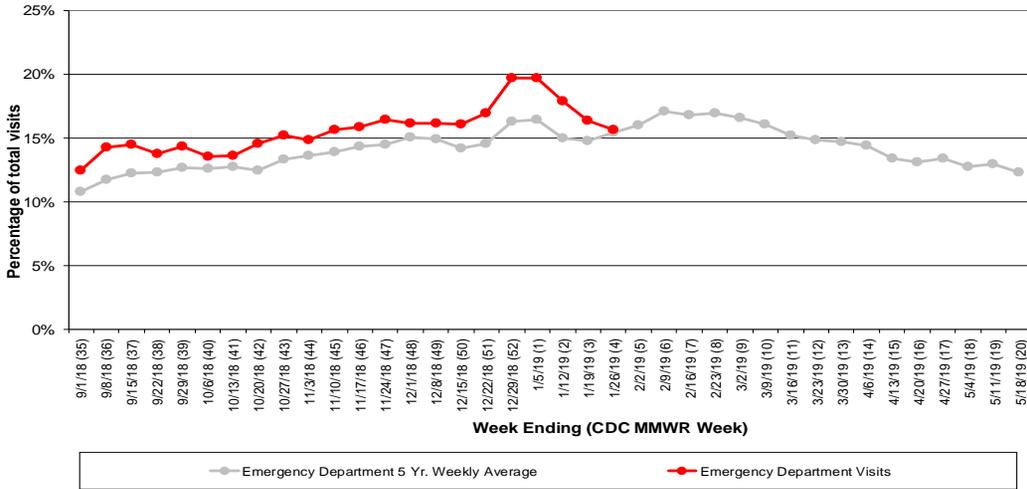


Figure 6: Selected Number of Over-the-Counter Medication Total Sales, 2018-19, Franklin County, OH

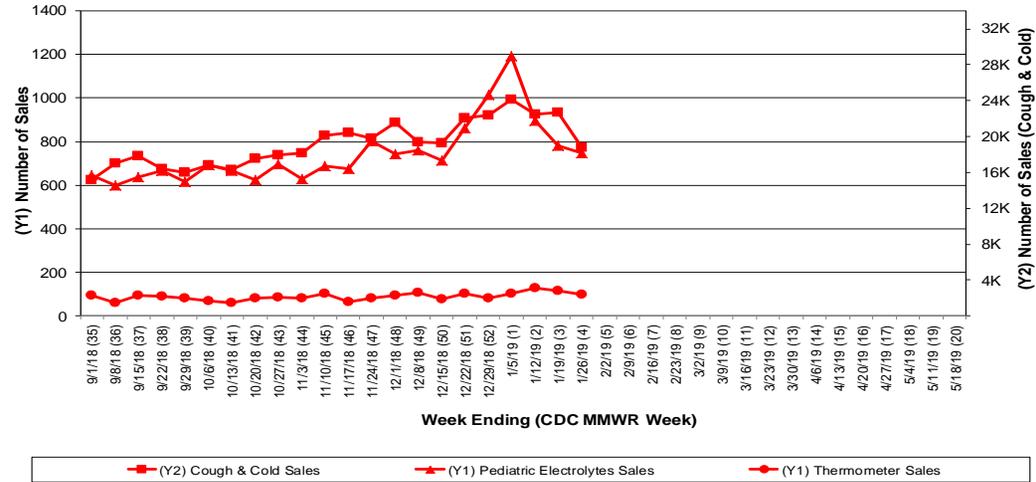
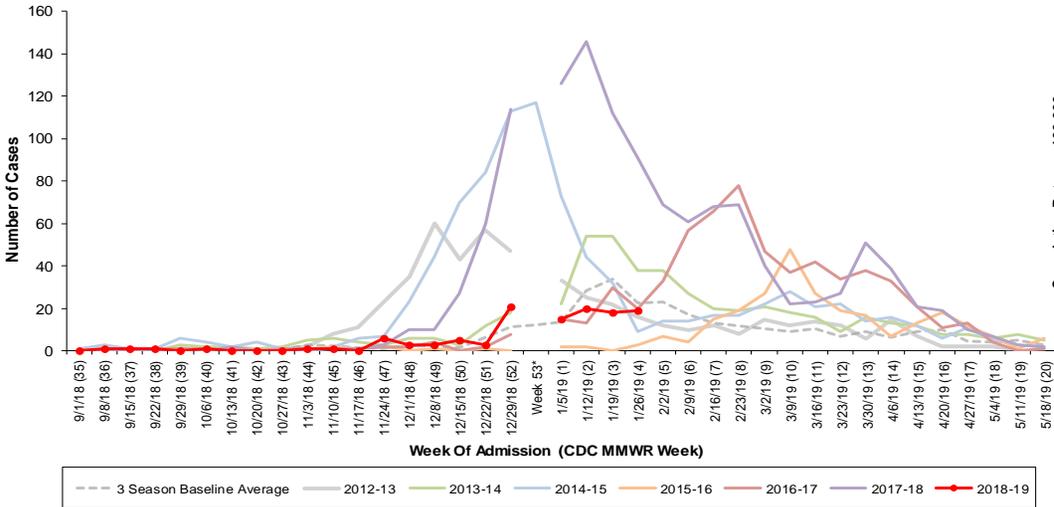
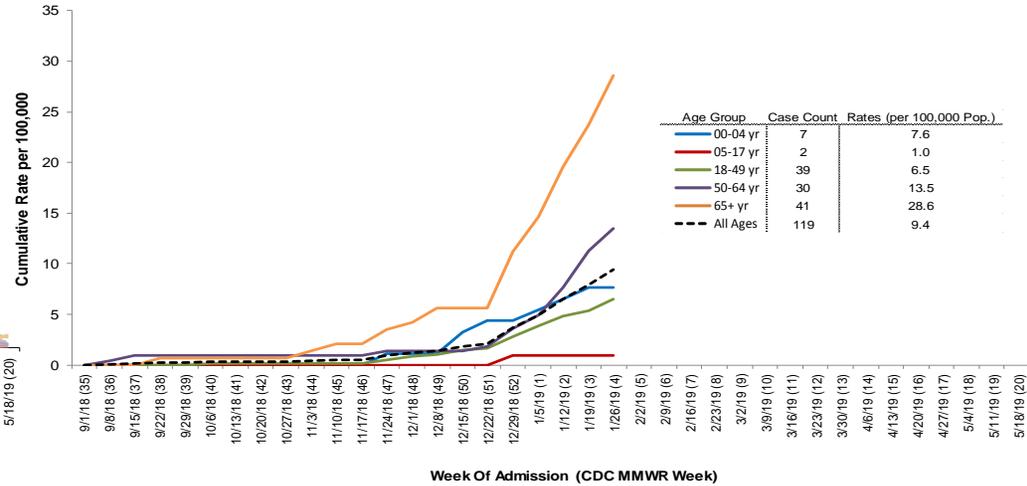


Figure 7: Columbus and Franklin County Jurisdiction Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 1/30/2019)



Columbus and Franklin County, OH Jurisdiction Confirmed Influenza Hospitalization Cumulative Rates (per 100,000) by Age-Group and Admission Week, 2018-2019 Season



*Note: Certain years have a 53rd week (e.g., season 2014-15) based on CDCs MMWR Weeks.